

## LED REFLECTORS

# MR16

An eco-conscious alternative to the halogen MR16 with the same compact profile

Designed for MR16 applications, the MEGAMAN® LED MR16 reflector has the same compact profile as the halogen MR16 and delivers excellent lighting performance, which will be familiar to customers. Available in linear dimming, the lamps are a perfect substitute for the halogen MR16.

### Product Features

- Directly replaces traditional halogen equivalents in size and shape
- Delivers supreme light output of up to 5000cd with 7.5W power consumption and a 12° beam angle that is an ideal alternative to the 50W halogen MR16
- Different beam angle options available to cater for various applications
- Linear dimming versions available<sup>#</sup>
- Excellent colour rendering of up to Ra85
- High luminous maintenance: rated lumen maintenance life of 70 (L70) at up to 50,000 hours
- High colour rendering consistency
- Works with most AC/DC 12V halogen transformers<sup>#</sup>
- Alternative to halogen transformer: applicable LED constant voltage converter LD0106-K12 and LED electronic transformer LD0216-K12; please refer to page 131-134 for product details
- Operating temperature: -30°C to +40°C



<sup>#</sup> Please visit [www.megaman.cc/user-guide](http://www.megaman.cc/user-guide) for a list of compatible dimmers and recommended halogen transformers.



## LED REFLECTORS MR16

LED by  
MEGAMAN®



### Accent lighting

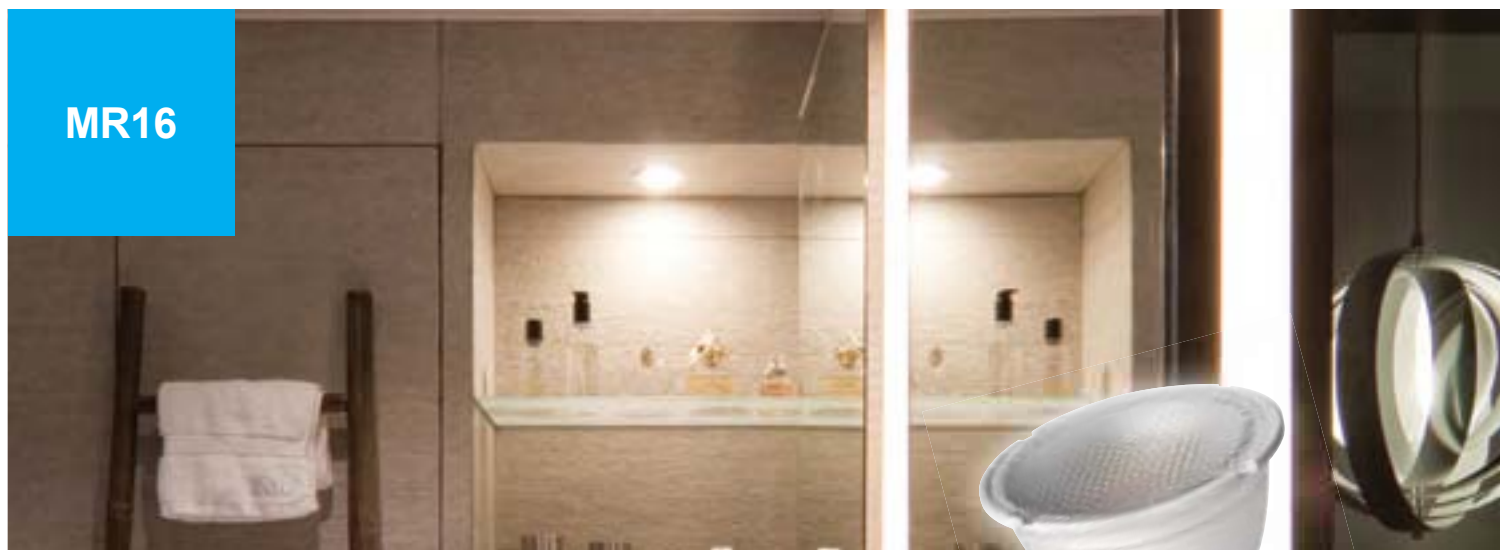
Accent lighting is used to illuminate focal points or key objects against the surrounding landscape. This adds to the drama, style or mood of a room by highlighting certain aspects of a room's decor. In accent lighting applications, the beam angle of the LED reflector is well controlled, allowing the lumens to be where they are wanted and with less glare. The colour and excitement you can add to your business with LED accent lighting can be a game changer. It's ideal for projects such as restaurant to create mood, or a retail shop for eye-catching window displays.

### Ambient lighting

Ambient lighting is a uniform illumination to serve as background light in the room. In contrast to accent lighting, ambient lighting comes from all direction and has no visible source. In ambient lighting, the LED reflector spreads a predefined amount of illumination to deliver an even light distribution. Also known as general or overall lighting, it radiates a comfortable level of brightness without glare for people to perform general tasks. Having a general source of ambient light is fundamental to good interior designs. As its operating hours are usually longer, energy-saving LED lamps will be a smart choice.

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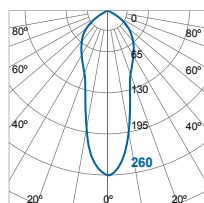
1

#### Ambient Lighting

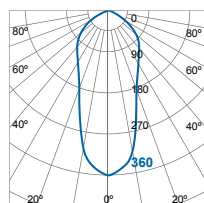
#### AC/DC12V | Driven by Halogen Transformer

Product Code	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Rated Life (hrs)	Diameter (mm)	Length (mm)	Weight (g)	Energy Label	Product Photo
Economy Series											
ER2404DG-WFL-GU5.3-2800K-12V 	4	260	WFL (36°)	220	80	15000	50	47	28	A+	1
ER2404DG-WFL-GU5.3-4000K-12V 	4	260	WFL (36°)	220	80	15000	50	47	28	A+	1
ER2405DG-WFL-GU5.3-2800K-12V 	5	360	WFL (36°)	330	80	15000	50	47	28	A+	1
ER2405DG-WFL-GU5.3-4000K-12V 	5	360	WFL (36°)	330	80	15000	50	47	28	A+	1

ER2404DG-WFL



ER2405DG-WFL



m	Lux	Ø cm
0.5	1040	32
1	260	65
1.5	116	97
2	65	130

Beam angle = 36°

m	Lux	Ø cm
0.5	1440	32
1	360	65
1.5	160	97
2	90	130

Beam angle = 36°

Compatible halogen transformer list is available at [www.megaman.cc/user-guide](http://www.megaman.cc/user-guide).  
Very Wide Flood (VWFL) beam angle option is available; please contact us for details.



2



Linear Dimming  
Dimmable on Dimmer Switches



3



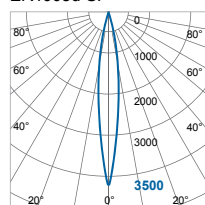
Energy Star  
www.energystar.gov  
Choose Energy Efficient

## Accent Lighting

## AC/DC12V | Driven by Halogen Transformer

Product Code	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Rated Life (hrs)	Diameter (mm)	Length (mm)	Weight (g)	Dimmable	Energy Label	Product Photo
Smart Series												
ER1908d-SP-GU5.3-2800K-12V	8	3500	SP (12)	400	82	25000	50	73	96	100-10%	A	2
ER1908d-SP-GU5.3-4000K-12V	8	3500	SP (12)	400	85	25000	50	73	96	100-10%	A	2
ER2508dLN-FL-GU5.3-2800K-12V	8	2900	FL (24)	450	82	25000	50	51	54	100-10%	A	3
ER2508dLN-FL-GU5.3-4000K-12V	8	2900	FL (24)	450	85	25000	50	51	54	100-10%	A	3
ER2508dLN-WFL-GU5.3-2800K-12V	8	1600	WFL (36)	450	82	25000	50	51	54	100-10%	A	3
ER2508dLN-WFL-GU5.3-4000K-12V	8	1600	WFL (36)	450	85	25000	50	51	54	100-10%	A	3

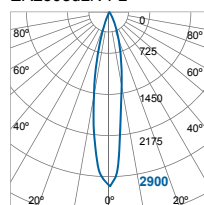
ER1908d-SP



m	Lux	Ø cm
0.5	14000	11
1	3500	21
1.5	1556	32
2	875	42

Beam angle = 12°

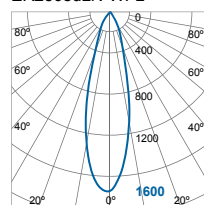
ER2508dLN-FL



m	Lux	Ø cm
0.5	11600	21
1	2900	43
1.5	1289	64
2	725	85

Beam angle = 24°

ER2508dLN-WFL



m	Lux	Ø cm
0.5	6400	32
1	1600	65
1.5	711	97
2	400	130

Beam angle = 36°

Compatible halogen transformer list is available at [www.megaman.cc/user-guide](http://www.megaman.cc/user-guide).

Capable of linear dimming from 100% to 10% when working with most conventional dimmers for incandescent lamps or halogens; please refer to the compatible dimmer list at [www.megaman.cc/user-guide](http://www.megaman.cc/user-guide) for further details.

Products for ambient lighting are available, please contact us for details.

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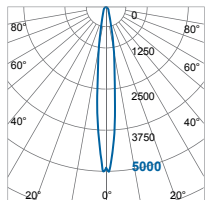
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#### Accent Lighting

#### AC/DC12V | Driven by Halogen Transformer

Product Code	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Rated Life (hrs)	Diameter (mm)	Length (mm)	Weight (g)	Dimmable	Energy Label	Product Photo
Smart Series												
ER2607.5LN-SP-GU5.3-2800K-12V*	7.5	5000	SP (12)	500	82	25000	50	51	43	No	A+	1
ER2607.5LN-SP-GU5.3-4000K-12V*	7.5	5000	SP (12)	500	85	25000	50	51	43	No	A+	1
ER2607.5LN-FL-GU5.3-2800K-12V	7.5	3200	FL (24)	500	82	25000	50	51	43	No	A+	1
ER2607.5LN-FL-GU5.3-4000K-12V	7.5	3200	FL (24)	500	85	25000	50	51	43	No	A+	1
ER2607.5LN-WFL-GU5.3-2800K-12V	7.5	1800	WFL (36)	500	82	25000	50	51	43	No	A+	1
ER2607.5LN-WFL-GU5.3-4000K-12V	7.5	1800	WFL (36)	500	85	25000	50	51	43	No	A+	1

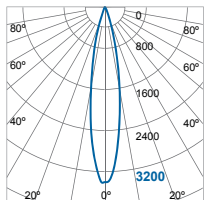
ER2607.5LN-SP



m	Lux	Ø cm
0.5	20000	11
1	5000	21
1.5	2222	32
2	1250	42

Beam angle = 12°

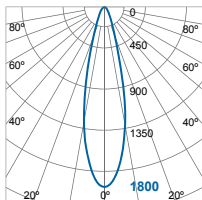
ER2607.5LN-FL



m	Lux	Ø cm
0.5	12800	21
1	3200	43
1.5	1422	64
2	800	85

Beam angle = 24°

ER2607.5LN-WFL



m	Lux	Ø cm
0.5	7200	32
1	1800	65
1.5	800	97
2	450	130

Beam angle = 36°

\* Preliminary data

Compatible halogen transformer list is available at [www.megaman.cc/user-guide](http://www.megaman.cc/user-guide).  
Products for ambient lighting are available, please contact us for details.





3



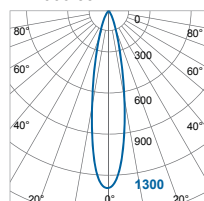
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## Accent Lighting

## AC/DC12V | Driven by Halogen Transformer

Product Code	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Rated Life (hrs)	Diameter (mm)	Length (mm)	Weight (g)	Dimmable	Energy Label	Product Photo
Professional Series												
ER1006-35H24D-GU5.3-2800K-12V	6	1300	24	240	82	25000	50	51	60	No	A	2
ER1006-35H24D-GU5.3-4000K-12V	6	1300	24	240	85	25000	50	51	60	No	A	2
ER1006-35H36D-GU5.3-2800K-12V	6	600	36	240	82	25000	50	51	60	No	A	2
ER1006-35H36D-GU5.3-4000K-12V	6	600	36	240	85	25000	50	51	60	No	A	2
ER1708d-50H24D-GU5.3-2800K-12V	8	2000	24	430	82	25000	50	62	91	100-10%*	A	3
ER1708d-50H24D-GU5.3-4000K-12V	8	2000	24	430	85	25000	50	62	91	100-10%*	A	3
ER1708d-50H36D-GU5.3-2800K-12V	8	1100	36	430	82	25000	50	62	91	100-10%*	A	3
ER1708d-50H36D-GU5.3-4000K-12V	8	1100	36	430	85	25000	50	62	91	100-10%*	A	3

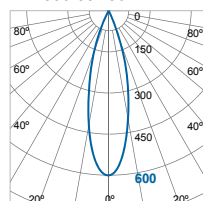
ER1006-35H24D



m	Lux	Ø cm
0.5	5200	21
1	1300	43
1.5	578	64
2	325	85

Beam angle = 24°

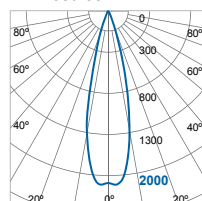
ER1006-35H36D



m	Lux	Ø cm
0.5	2400	32
1	600	65
1.5	267	97
2	150	130

Beam angle = 36°

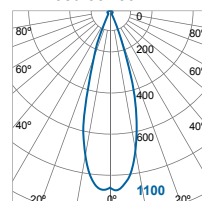
ER1708d-50H24D



m	Lux	Ø cm
0.5	8000	21
1	2000	43
1.5	889	64
2	500	85

Beam angle = 24°

ER1708d-50H36D

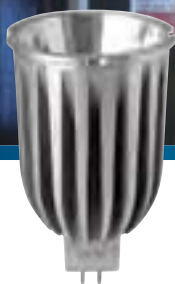


m	Lux	Ø cm
0.5	4400	32
1	1100	65
1.5	489	97
2	275	130

Beam angle = 36°

\* Capable of linear dimming from 100% to 10% when working with most conventional dimmers for incandescent lamps or halogens; please refer to the compatible dimmer list at [www.megaman.cc/user-guide](http://www.megaman.cc/user-guide) for further details.  
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## MR16



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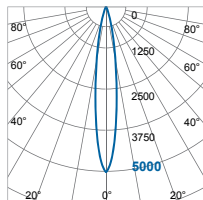


## Accent Lighting

## 460mA (DC20V) | Driven by LED Converter

Product Code	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Luminous Flux (lm)	CRI	Rated Life (hrs)	Diameter (mm)	Length (mm)	Weight (g)	Dimmable	Energy Label	Product Photo
<b>Professional Series</b>												
ER1810-50H12D-GU5.3-2800K	10	5000	12	580	82	30000	50	82	108	100-1%	A	1
ER1810-50H12D-GU5.3-4000K	10	5000	12	580	85	30000	50	82	108	100-1%	A	1
ER0510-50H24D-GU5.3-2800K	10	3300	24	620	82	30000	50	82	123	100-1%	A	2
ER0510-50H24D-GU5.3-4000K	10	3300	24	620	85	30000	50	82	123	100-1%	A	2
ER0510-50H36D-GU5.3-2800K	10	1500	36	700	82	30000	50	82	123	100-1%	A	2
ER0510-50H36D-GU5.3-4000K	10	1500	36	700	85	30000	50	82	123	100-1%	A	2

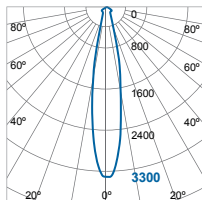
ER1810-50H12D



m	Lux	Ø cm
0.5	20000	11
1	5000	21
1.5	2222	32
2	1250	42

Beam angle = 12°

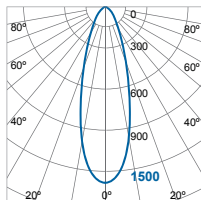
ER0510-50H24D



m	Lux	Ø cm
0.5	13200	21
1	3300	43
1.5	1467	64
2	825	85

Beam angle = 24°

ER0510-50H36D



m	Lux	Ø cm
0.5	6000	32
1	1500	65
1.5	667	97
2	375	130

Beam angle = 36°

Suggested LED Converter:  
LD0110x1v-C460

Capable of linear dimming from 100% to 1% when connected to a DC1-10V dimming driver and a DC1-10V dimmer; please refer to page 130 for details of the LED converter.

